

SEQUENCE LISTING

<110> PROUDFOOT, AMANDA
SHAW, JEFFREY
JOHNSON, ZOE

<120> THERAPEUTIC USES OF CHEMOKINE VARIANTS

<130> ARS-124

<140> US 10/573,625

<141> 2006-03-28

<150> EP 03078308

<151> 2003-10-16

<160> 5

<170> PatentIn version 3.0

<210> 1

<211> 76

<212> PRT

<213> Homo sapiens

<220>

<223> Human CCL2

<400> 1

Gln	Pro	Asp	Ala	Ile	Asn	Ala	Pro	Val	Thr	Cys	Cys	Tyr	Asn	Phe	Thr
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Asn	Arg	Lys	Ile	Ser	Val	Gln	Arg	Leu	Ala	Ser	Tyr	Arg	Arg	Ile	Thr
			20					25					30		

Ser	Ser	Lys	Cys	Pro	Lys	Glu	Ala	Val	Ile	Phe	Lys	Thr	Ile	Val	Ala
		35					40					45			

Lys	Glu	Ile	Cys	Ala	Asp	Pro	Lys	Gln	Lys	Trp	Val	Gln	Asp	Ser	Met
	50					55					60				

Asp	His	Leu	Asp	Lys	Gln	Thr	Gln	Thr	Pro	Lys	Thr
65					70					75	

<210> 2

<211> 76

<212> PRT

<213> synthetic construct

<220>

<223> Human CCL2-P8A

<400> 2

Gln Pro Asp Ala Ile Asn Ala Ala Val Thr Cys Cys Tyr Asn Phe Thr
1 5 10 15
Asn Arg Lys Ile Ser Val Gln Arg Leu Ala Ser Tyr Arg Arg Ile Thr
20 25 30
Ser Ser Lys Cys Pro Lys Glu Ala Val Ile Phe Lys Thr Ile Val Ala
35 40 45
Lys Glu Ile Cys Ala Asp Pro Lys Gln Lys Trp Val Gln Asp Ser Met
50 55 60
Asp His Leu Asp Lys Gln Thr Gln Thr Pro Lys Thr
65 70 75

<210> 3

<211> 76

<212> PRT

<213> synthetic construct

<220>

<223> Human CCL2*

<400> 3

Gln Pro Asp Ala Ile Asn Ala Pro Val Thr Cys Cys Tyr Asn Phe Thr
1 5 10 15
Asn Arg Lys Ile Ser Val Gln Arg Leu Ala Ser Tyr Arg Arg Ile Thr
20 25 30
Ser Ser Lys Cys Pro Lys Glu Ala Val Ile Phe Lys Thr Ile Val Ala
35 40 45
Lys Glu Ile Cys Ala Asp Pro Lys Gln Lys Trp Val Gln Asp Ser Ile
50 55 60
Asp His Leu Asp Lys Gln Thr Gln Thr Pro Lys Thr
65 70 75

<210> 4

<211> 76

<212> PRT

<213> synthetic construct

<220>

<223> Human CCL2*-P8A

<400> 4

Gln Pro Asp Ala Ile Asn Ala Ala Val Thr Cys Cys Tyr Asn Phe Thr

1 5 10 15
 Asn Arg Lys Ile Ser Val Gln Arg Leu Ala Ser Tyr Arg Arg Ile Thr
 20 25 30
 Ser Ser Lys Cys Pro Lys Glu Ala Val Ile Phe Lys Thr Ile Val Ala
 35 40 45
 Lys Glu Ile Cys Ala Asp Pro Lys Gln Lys Trp Val Gln Asp Ser Ile
 50 55 60
 Asp His Leu Asp Lys Gln Thr Gln Thr Pro Lys Thr
 65 70 75

<210> 5
 <211> 331
 <212> PRT
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<220>
 <223> Human CCL2-P8A_IgG1 fusion protein

<400> 5

Met Lys Val Ser Ala Ala Leu Leu Cys Leu Leu Leu Ile Ala Ala Thr
 1 5 10 15
 Phe Ile Pro Gln Gly Leu Ala Gln Pro Asp Ala Ile Asn Ala Ala Val
 20 25 30
 Thr Cys Cys Tyr Asn Phe Thr Asn Arg Lys Ile Ser Val Gln Arg Leu
 35 40 45
 Ala Ser Tyr Arg Arg Ile Thr Ser Ser Lys Cys Pro Lys Glu Ala Val
 50 55 60
 Ile Phe Lys Thr Ile Val Ala Lys Glu Ile Cys Ala Asp Pro Lys Gln
 65 70 75 80
 Lys Trp Val Gln Asp Ser Met Asp His Leu Asp Lys Gln Thr Gln Thr
 85 90 95
 Pro Lys Thr Glu Pro Lys Ser Cys Asp Lys Thr His Thr Cys Pro Pro
 100 105 110
 Cys Pro Ala Pro Glu Leu Leu Gly Gly Pro Ser Val Phe Leu Phe Pro
 115 120 125
 Pro Lys Pro Lys Asp Thr Leu Met Ile Ser Arg Thr Pro Glu Val Thr
 130 135 140
 Cys Val Val Val Asp Val Ser His Glu Asp Pro Glu Val Lys Phe Asn
 145 150 155 160

Trp Tyr Val Asp Gly Val Glu Val His Asn Ala Lys Thr Lys Pro Arg
 165 170 175
 Glu Glu Gln Tyr Asn Ser Thr Tyr Arg Val Val Ser Val Leu Thr Val
 180 185 190
 Leu His Asn Asp Trp Leu Asn Gly Lys Glu Tyr Lys Cys Lys Val Ser
 195 200 205
 Asn Lys Ala Leu Pro Ala Pro Ile Glu Lys Thr Ile Ser Lys Ala Lys
 210 215 220
 Gly Gln Pro Arg Glu Pro Gln Val Tyr Thr Leu Pro Pro Ser Arg Glu
 225 230 235 240
 Glu Met Thr Lys Asn Gln Val Ser Leu Thr Cys Leu Val Lys Gly Phe
 245 250 255
 Tyr Pro Ser Asp Ile Ala Val Glu Trp Glu Ser Gln Gly Gln Pro Glu
 260 265 270
 Asn Asn Tyr Lys Thr Thr Pro Pro Val Leu Asp Ser Asp Gly Ser Phe
 275 280 285
 Phe Leu Tyr Ser Lys Leu Thr Val Asp Lys Ser Arg Trp Gln Gln Gly
 290 295 300
 Asn Val Phe Ser Cys Ser Val Met His Glu Ala Leu His Asn His Tyr
 305 310 315 320
 Thr Gln Lys Ser Leu Ser Leu Ser Pro Gly Lys
 325 330